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**EXAMINER** 

### NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

11/28/2008

RODGERS, COLLEEN E

ART UNIT PAPER

PAPER NUMBER

The Farragut Building Suite 710 900 17th Street NW

Washington, DC 20006

Kubovcik & Kubovcik

2813

DATE MAILED: 11/28/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/552,663	10/11/2005	Juha T. Rantala	LAIN-102	2587	

TITLE OF INVENTION: ORGANO-SILSESQUIOXANE POLYMERS FOR FORMING LOW-K DIELECTRICS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	03/02/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

appropriate. All further indicated unless correct maintenance fee notificated	ed below or directed otl	ng the Patent, advance on herwise in Block 1, by (	a) specifying a new c	of n	naintenance fees v pondence address;	vill be and/or	mailed to the current r (b) indicating a sepa	corresp rate "F	pondence address as FEE ADDRESS" for
CURRENT CORRESPOND		Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, m have its own certificate of mailing or transmission.					other accompanying		
Kubovcik & K The Farragut Bu Suite 710	ilding		State	eby certify that the es Postal Service vessed to the Mail	is Fee( vith suf l Stop	e of Mailing or Trans s) Transmittal is being ficient postage for fir ISSUE FEE address 1) 273-2885, on the d	g depos st class above,	ited with the United mail in an envelope or being facsimile	
900 17th Street Washington, DC									(Depositor's name)
washington, DC	20000								(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CON	FIRMATION NO.
10/552,663 TITLE OF INVENTION	10/11/2005 J: ORGANO-SILSESQU	JIOXANE POLYMERS	Juha T. Rantala FOR FORMING LOW	V-K ]	DIELECTRICS		LAIN-102		2587
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nonprovisional	YES	\$755	\$300		\$0		\$1055		03/02/2009
EXAM	MINER	ART UNIT	CLASS-SUBCLASS						
RODGERS,	COLLEEN E	2813	257-040000						
1. Change of correspond CFR 1.363).  Change of corresp Address form PTO/S  "Fee Address" inc PTO/SB/47; Rev 03-(Number is required.  3. ASSIGNEE NAME A	registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.								
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	less an assignee is ident th in 37 CFR 3.11. Comj GNEE	ified below, no assignee pletion of this form is NO	data will appear on the transfer of transfer of the transfer of tr	he pa g an a	ntent. If an assign assignment. and STATE OR C	COUNT	TRY)		
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4a. The following fee(s)  Issue Fee  Publication Fee (1)  Advance Order -	<ul> <li>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</li> <li>A check is enclosed.</li> <li>Payment by credit card. Form PTO-2038 is attached.</li> <li>The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).</li> </ul>								
5. Change in Entity Sta					1 ' ' (3.5.)		DIEDE A CONTROL	ED 1 2	7( )(2)
NOTE: The Issue Fee ar	ns SMALL ENTITY state and Publication Fee (if req	uired) will not be accepte	ed from anyone other th	_	-		FITY status. See 37 Clattorney or agent; or the		
interest as shown by the	records of the United Sta	ites Patent and Trademark	k Office.						
Authorized Signature					Date				
Typed or printed nam			Registration N	lo					
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

OMB 0651-0033

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



# UNITED STATES PATENT AND TRADEMARK OFFICE

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The Farragut Build	ing	ART UNIT	PAPER NUMBER		
Suite 710 900 17th Street NV Washington, DC 20			2813 DATE MAILED: 11/28/200	8	

## **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 334 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 334 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)
	10/552,663	RANTALA ET AL.
Notice of Allowability	Examiner	Art Unit
	Colleen E. Rodgers	2813
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commun GHTS. This application is su and MPEP 1308.	this application. If not included nication will be mailed in due course. <b>THIS</b>
2. The allowed claim(s) is/are <u>1,2,7-21 and 54-58</u> .		
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority ur</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> <li>3.  Copies of the certified copies of the priority documents have</li> <li>International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>	been received. been received in Application	n No
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.   A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.	
INFORMAL PATENT APPLICATION (PTO-152) which give  5.  CORRECTED DRAWINGS (as "replacement sheets") mus  (a)  including changes required by the Notice of Draftspers  1)  hereto or 2)  to Paper No./Mail Date  (b)  including changes required by the attached Examiner's  Paper No./Mail Date  Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1)  each sheet. Replacement sheet(s) should be labeled as such in the deposit of the	st be submitted. son's Patent Drawing Review s Amendment / Comment or 84(c)) should be written on the header according to 37 CFF sit of BIOLOGICAL MATE	( PTO-948) attached in the Office action of e drawings in the front (not the back) of R 1.121(d). RIAL must be submitted. Note the
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6.	ormal Patent Application mmary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowance .

Application/Control Number: 10/552,663

Art Unit: 2813

#### **DETAILED ACTION**

Page 2

# Allowable Subject Matter

- 1. Claims 1, 2, 7-21 and 54-58 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: amended independent claims 1 and 9 are allowed for reasons indicated in the Non-Final Rejection dated 17 March 2008; namely: regarding independent claim 1, the prior art of record fails to teach or make reasonably obvious wherein the adamantyl or diadamantyl is substituted with 1 to 3 alkyl substituents; and regarding independent claim 9, the prior art of record fails to teach or make reasonably obvious wherein the polymer is obtainable by copolymerization of a compound of Formula I  $[(R^1-R^2)_n$ -Si- $(X^1)_{4-n}$  with a compound of Formula II  $[(R^3-R^4)_n$ -Si- $(X^2)_{4-n}$ .

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Colleen E. Rodgers whose telephone number is (571) 272-8603. The examiner can normally be reached on Monday through Friday, 8:00 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith can be reached on (571) 272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2813

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Matthew S. Smith/ Supervisory Patent Examiner, Art Unit 2823

/C. E. R./ Examiner, Art Unit 2813